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PTO/SB/088 (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/747,521
Filing Date	December 21, 2000
First Named Inventor	Galloway
Art Unit	1645
Examiner Name	Shahnan Shah
Attorney Docket Number	22727/04079

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ks		ARORA et al., "Fusions of anthrax toxin lethal factor to the ADP-ribosylation domain of Pseudomonas exotoxin A are potent cytotoxins which are translocated to the cytosol of mammalian cells", <u>J. Biol. Chem.</u> (1992) Volume 267, Pages 15542-15548.	
		ARORA and LEPPLA, "Residues 1-254 of anthrax toxin lethal factor sufficient to cause cellular uptake of fused polypeptides", <u>J. Biol. Chem.</u> (1993) Volume 268, Pages 3334-3341.	
		BROSSIER et al., "Role of toxin functional domains in anthrax pathogenesis", <u>Infect. Immun.</u> (2000) Volume 68, Pages 1781-1786.	
		CIRINO et al., "Disruption of anthrax toxin binding with the use of human antibodies and competitive inhibitors", <u>Infect. Immun.</u> (1999) Volume 67, Pages 2657-2963.	
		DENIS-MIZE et al., "Analysis of immunization with DNA encoding Pseudomonas aeruginosa exotoxin A", <u>FEMS Immunol. Med. Microbiol.</u> (2000) Volume 24, Pages 147-154.	
		DONNELLY et al., "DNA Vaccines", <u>Annu. Rev. Immunol.</u> (1997) Volume 15, Pages 617-648.	
		DUESBERY et al., "Proteolytic inactivation of MAP-kinase-kinase by anthrax lethal factor", <u>Science</u> (1998) Volume 280, Pages 734-737.	
		FELLOWS et al., "Efficacy of a human anthrax vaccine in guinea pigs, rabbits, and rhesus macaques against challenge by Bacillus anthracis isolates of diverse geographic origin", <u>Vaccine</u> (2001) Volume 19, Pages 3241-3247.	
		FELTQUATE et al., "Different T helper cell types and antibody isotypes generated by saline and gene gun DNA immunization", <u>J. Immunol.</u> (1997) Volume 158, Pages 2278-2284.	
ks		FRIEDLANDER, "Macrophages are sensitive to anthrax lethal toxin through an acid-dependent process", <u>J. Biol. Chem.</u> (1986) Volume 261, Pages 7123-7126.	

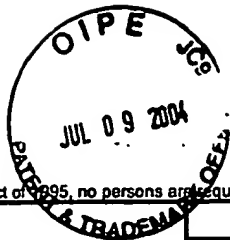
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Attorney Docket Number	22727/04079

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FS		GORDON et al., "Proteolytic activation of a bacterial toxins by eukaryotic cells is performed by furin and by additional cellular proteases", <u>Infect. Immun.</u> (1995) Volume 63, Pages 82-87.	
		GUIDI-RONTANI et al., "Anthrax lethal toxin-induced mitogenic response of human T-cells", <u>FEMS Lett.</u> (1997) Volume 157, Pages 285-289.	
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		GUPTA et al., "Involvement of residues 147VYVEIGK153 in binding of lethal factor to protective antigen of Bacillus anthracis", <u>Biochem. Biophys. Res. Commun.</u> (2001) Volume 280, Pages 158-163.	
		HADDAD et al., "Comparative study of DNA-based immunization vectors: Effect of secretion signals on the antibody response in mice", <u>FEMS Immunol. Med. Microbiol.</u> (1997) Volume 18, Pages 193-202.	
		IVINS et al., "Experimental anthrax vaccines: efficacy of adjuvants combined with protective antigen against an aerosol Bacillus anthracis spore challenge in guinea pigs", <u>Vaccine</u> (1995) Volume 13, Pages 1779-1784.	
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		KLIMPEL et al., "Anthrax toxin protective antigen is activated by a cell surface protease with the sequence specificity and catalytic properties of furin", <u>Proc. Natl. Acad. Sci. USA</u> (1992) Volume 89, Pages 10277-10281.	
		KLIMPEL et al., "Anthrax toxin lethal factor contains a zinc metalloproteinase consensus sequence which is required for lethal toxin activity", <u>Mol. Microbiol.</u> (1994) Volume 13, Pages 1093-1100.	
		LEPPLA, "Anthrax toxin edema factor: a bacterial adenylate cyclase that increases cyclic AMP concentrations of eukaryotic cells", <u>Proc. Natl. Acad. Sci. USA</u> (1982) Volume 79, Pages 3162-3166.	

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Application Number 09/747,521

Filing Date December 21, 2000

First Named Inventor Galloway

Art Unit 1645

Examiner Name Shannan Shah

Attorney Docket Number 22727/04079

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lc		LEPPLA, "Production and purification of anthrax toxin", <u>Methods Enzymol.</u> (1988) Volume 165, Pages 103-116.	
		LEPPLA et al., "Proteolytic activation of anthrax toxin bound to cellular receptors", <u>Bacterial protein toxins</u> (F.J. Fehrenbach et al., Gustav Fischer, New York, NY) Pages 111-112.	
		LITTLE and IVINS, "Molecular pathogenesis of Bacillus anthracis infection", <u>Microbes Infect.</u> (1999) Volume 2, Pages 131-139.	
		LITTLE et al., "Production and characterization of monoclonal antibodies to the protective antigen of Bacillus anthracis toxin", <u>Infect. Immun.</u> (1988) Volume 56, Pages 1807-1813.	
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		MIKESELL et al., "Evidence for plasmidmediated toxin production in Bacillus anthracis", <u>Infect. Immun.</u> (1983) Volume 39, Pages 371-376.	
		MILNE et al., "Anthrax protective antigen forms oligomers during intoxication of mammalian cells", <u>J. Biol. Chem.</u> (1994) Volume 269, Pages 20607-20612.	
		PANNIFER et al., "Crystal structure of the anthrax lethal factor", <u>Nature</u> (2001) Volume 414, Pages 229-233.	
		PARK and LEPPLA, "Optimized production and purification of Bacillus anthracis lethal factor", <u>Protein Expr. Purif.</u> (2000) Volume 18, Pages 293-302.	
w		PELLIZARI et al., "Anthrax lethal factor cleaves MKK3 in macrophages and inhibits the KOS.UFB-induced release of NO and TNF", <u>FEBS Lett.</u> (1999) Volume 462, Pages 199-204.	

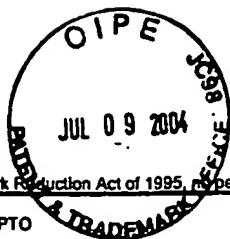
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147		PETOSA et al., "Crystal structure of the anthrax toxin protective antigen", <u>Nature</u> (1997) Volume 385, Pages 833-838.	
		PEZARD et al., "Contribution of individual toxin components to virulence of <i>Bacillus anthracis</i> ", <u>Infect. Immun.</u> (1991) Volume 59, Pages 3472-3477.	
		PEZARD et al., "Protective immunity induced by <i>Bacillus anthracis</i> toxin-deficient strains", <u>Infect. Immun.</u> (1995) Volume 63, Pages 1369-1372.	
		PRICE, "Protection against anthrax lethal toxin challenge by genetic immunization with a plasmid encoding the lethal factor protein", <u>Infect. Immun.</u> (2001) Volume 69, Number 7, Pages 4509-4515.	
		SINGH et al., "The chymotrypsin-sensitive site, FFD315, in anthrax toxin protective antigen is required for translocation of lethal factor", <u>J. Biol. Chem.</u> (1994) Volume 269, Pages 29039-29046.	
		VARUGHESE et al., "Internalization of a <i>Bacillus anthracis</i> protective antigen c-Myc fusion protein mediated by cell surface anti-c-Myc antibodies", <u>Mol. Med.</u> (1998) Volume 4, Pages 87-95.	
		VITALE et al., "Anthrax lethal factor cleaves the N-terminus of MAPKK and induces tyrosine/threonine phosphorylation of MAPKs in cultured macrophages", <u>Biochem. Biophys. Res. Commun.</u> (1998) Volume 248, Pages 706-711.	
		WELKOS et al., "Sequence and analysis of the DNA encoding protective antigen of <i>Bacillus anthracis</i> ", <u>Gene</u> (1988) Volume 69, Pages 287-300.	
		ZAUCHA et al., "The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation", <u>Arch. Pathol. Lab. Med.</u> (1998) Volume 122, Pages 982-992.	

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